



(19)

Generated Document

(11) Publication number:

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 61035042

(51) Intl. Cl.: G01N 35/04

(22) Application date: 21.02.86

(30) Priority:

(43) Date of application publication: 26.08.87

(84) Designated contracting states:

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**(54) AUTOMATIC CHEMICAL ANALYSER**

(57) Abstract:

**PURPOSE:** To effectively utilize a space, in an automatic chemical analyser having a reagent turntable, by arranging a reaction tube turntable and the reagent turntable in a concentric circular state.

**CONSTITUTION:** A large number of reaction tubes 4 are arranged to an annular reaction tube turntable 20 and a large number of reagent containers 23, 24 are arranged to a reagent turntable 22 in a concentric circular manner inside the reaction tube turntable 20. In this apparatus, the specimen A on a sampler 1 is injected portionwise in the reaction tubes 4 on the reaction tube turntable 20 by a sampling nozzle 2 and, when each reaction tube 4 reaches the portionwise injection position of a first reagent R1 and that of a second reagent R2, the reagent R1 is injected in the test tube 4 from each outside container 23 by a nozzle 27 and the reagent R2 is injected therein from each inside container 24 by a nozzle 27'. By this method, the apparatus becomes compact as a whole.

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